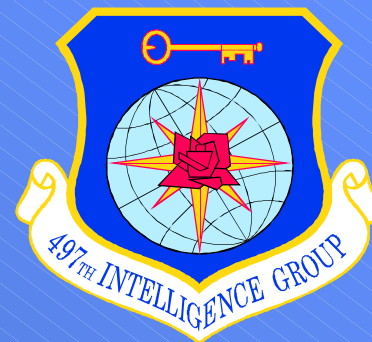


UNCLAS



# **Air Force DoDIIS Infrastructure (AFDI)**

UNCLAS



UNCLAS



# ***AFDI Overview***

- An evolutionary *migration approach* from the current DoDIIS infrastructure to the future Air Force DoDIIS Infrastructure (AFDI)
- A Phased implementation leading to a COTS infrastructure while meeting current user requirements for newer advanced technologies
- Intel programs are continuing to progress, DoDIIS cannot continue to maintain a stagnant infrastructure
- Target Platforms: DII COE V4.1 on Solaris 7, WinNT 4.0

UNCLAS



UNCLAS



# *Phase I*

- *Flexible evolutionary migration*
  - Segmentation of current DoDIIS infrastructure services with upgrades to newer technologies
    - Provides backward compatibility with the current infrastructure and allow interoperability and compatibility with current collateral segments
      - Least intrusive to site resources
  - Most cost effective way to achieve DII COE level 5 compliance
  - Provides the security necessary to meet DoDIIS requirements
  - Integration with emerging technologies to satisfy current unsatisfied user community requirements

UNCLAS



UNCLAS



## *Phase I (Continued)*

- Automate the segmentation process
  - Segmentation tool (VISE)
    - Places segmentation in the hands of the integrator vs the IMA developer
    - Segment creation and maintenance
    - Configuration Definition Modeling
    - Allows sites to segment site-unique applications without the cost of a development staff

UNCLAS



UNCLAS



# *Phase I Progress*

- Contract award to Sterling Software 15 July 99
- Successful Pre-Alpha Demo on 13-14 Oct 99
  - Both Solaris 7 and WinNT 4.0 platforms
  - Installs
  - Uninstalls
  - Security Features
- Preparing now for IPAT on 6-10 Dec 99
- AFDI has been to this point, an Air Force funded project and consequently will be made freely available to any AF site.
- Non-AF Sites you say? Contact your DMB representative!

UNCLAS



UNCLAS



## *Phase I Schedule Highlights*

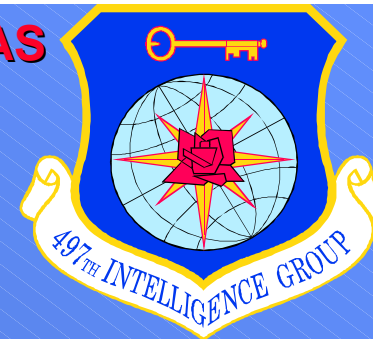
15 July 99	Contract Awarded
13-14 Oct 99	Pre-Alpha Demo
6-10 Dec 99	IPAT
17-24 Jan 99	JITF & Beta I
31 Jan – 4 Feb 00	Security Certification
21-25 Feb 00	Beta II (USSPACECOM)
17 Mar 00	Begin v1.0 Distribution

UNCLAS

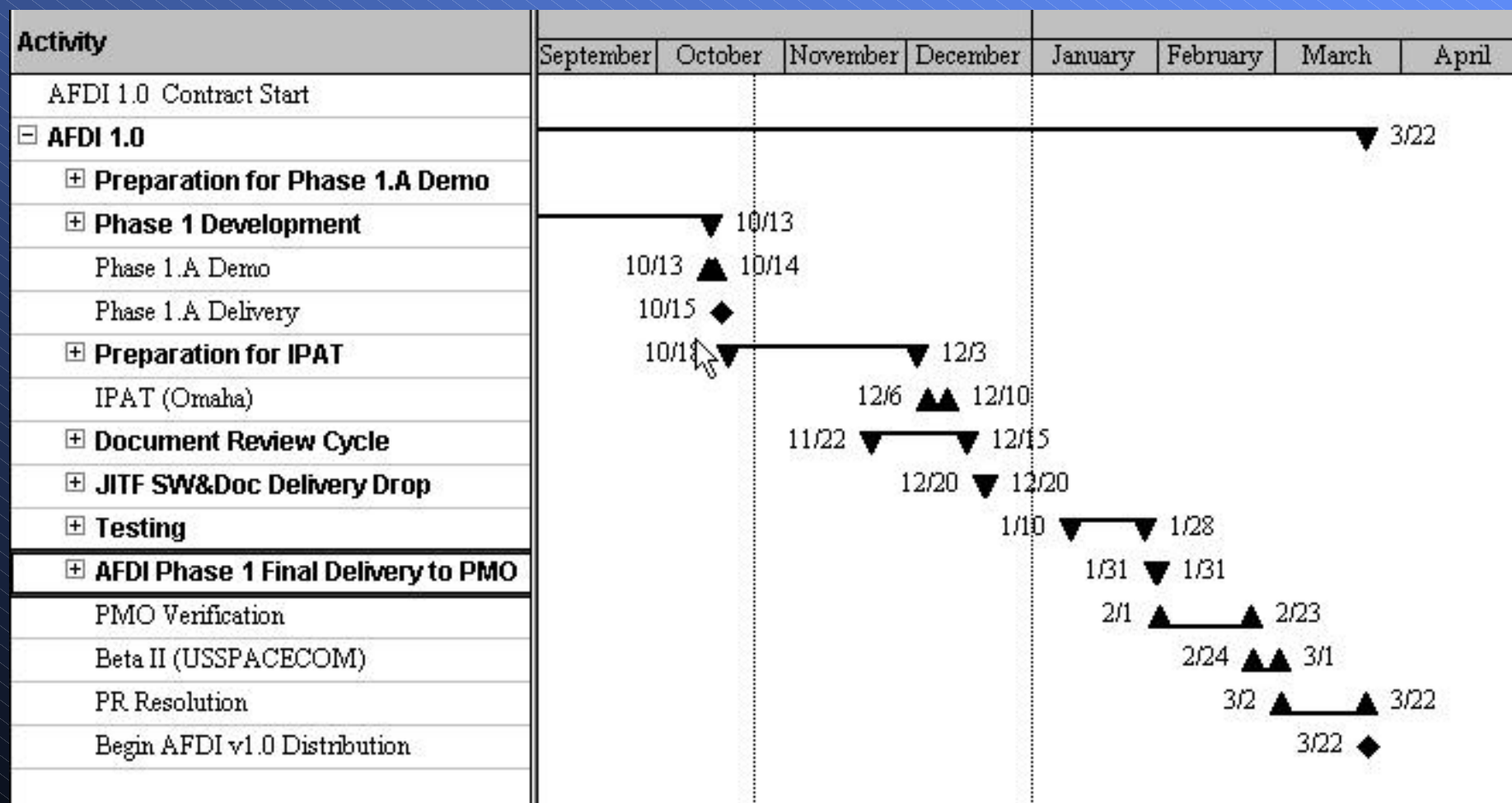




UNCLAS



# Phase I Schedule



UNCLAS



UNCLAS



## *Phase II*

- Migrate away from AFDI GOTS infrastructure services as COTS and funding become available
  - Establishment of AFDI CCB
  - Gradual migration spreads funding for COTS across fiscal years -- as COTS become available GOTS services are removed
  - Continue implementing new infrastructure technologies including Public Key Infrastructure (PKI)
  - Automate the installation and configuration of the OS, DII COE Kernel, & AFDI Segment

UNCLAS



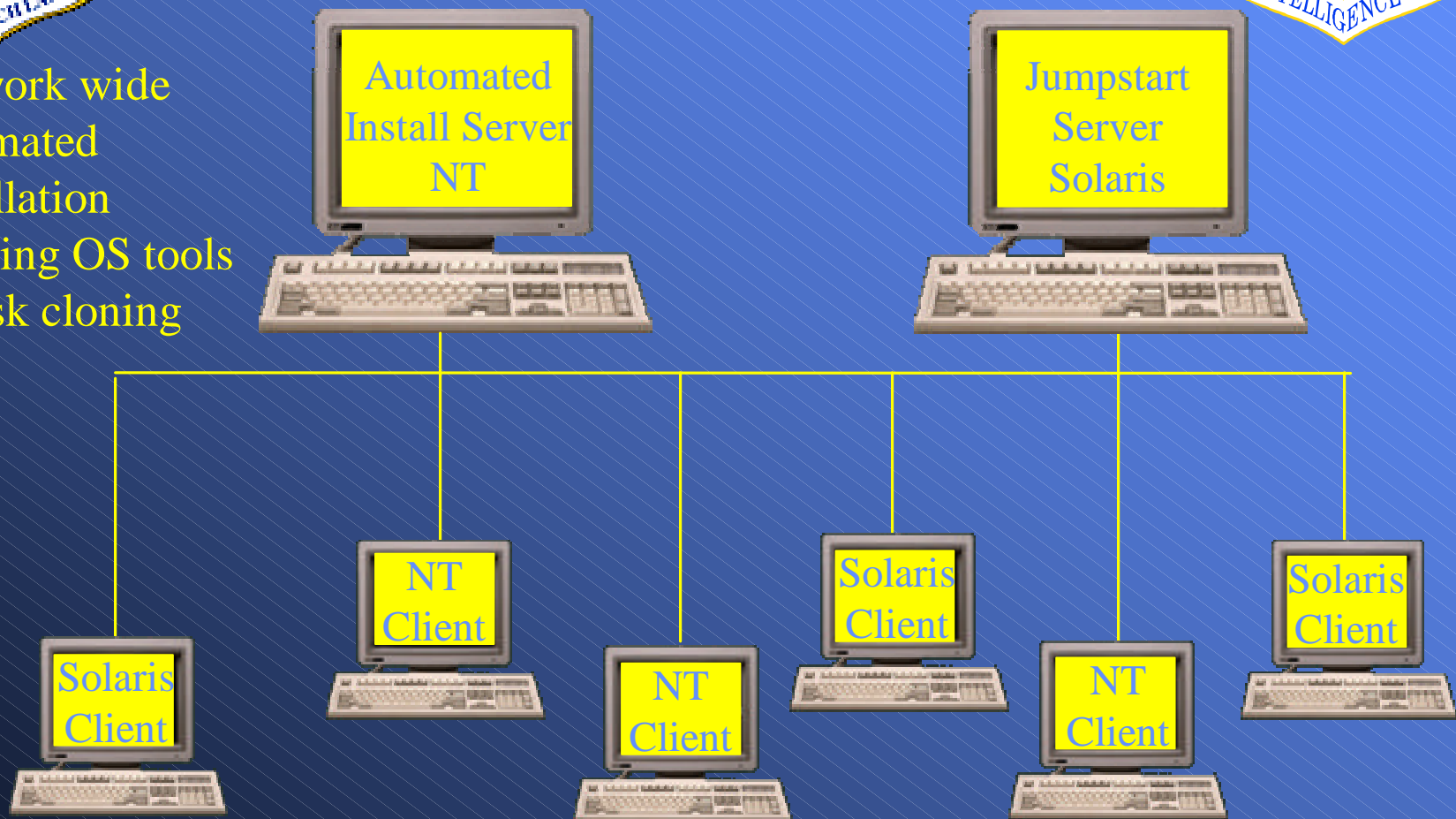


UNCLAS



## *Phase II (continued)*

- Network wide automated installation utilizing OS tools & disk cloning



UNCLAS

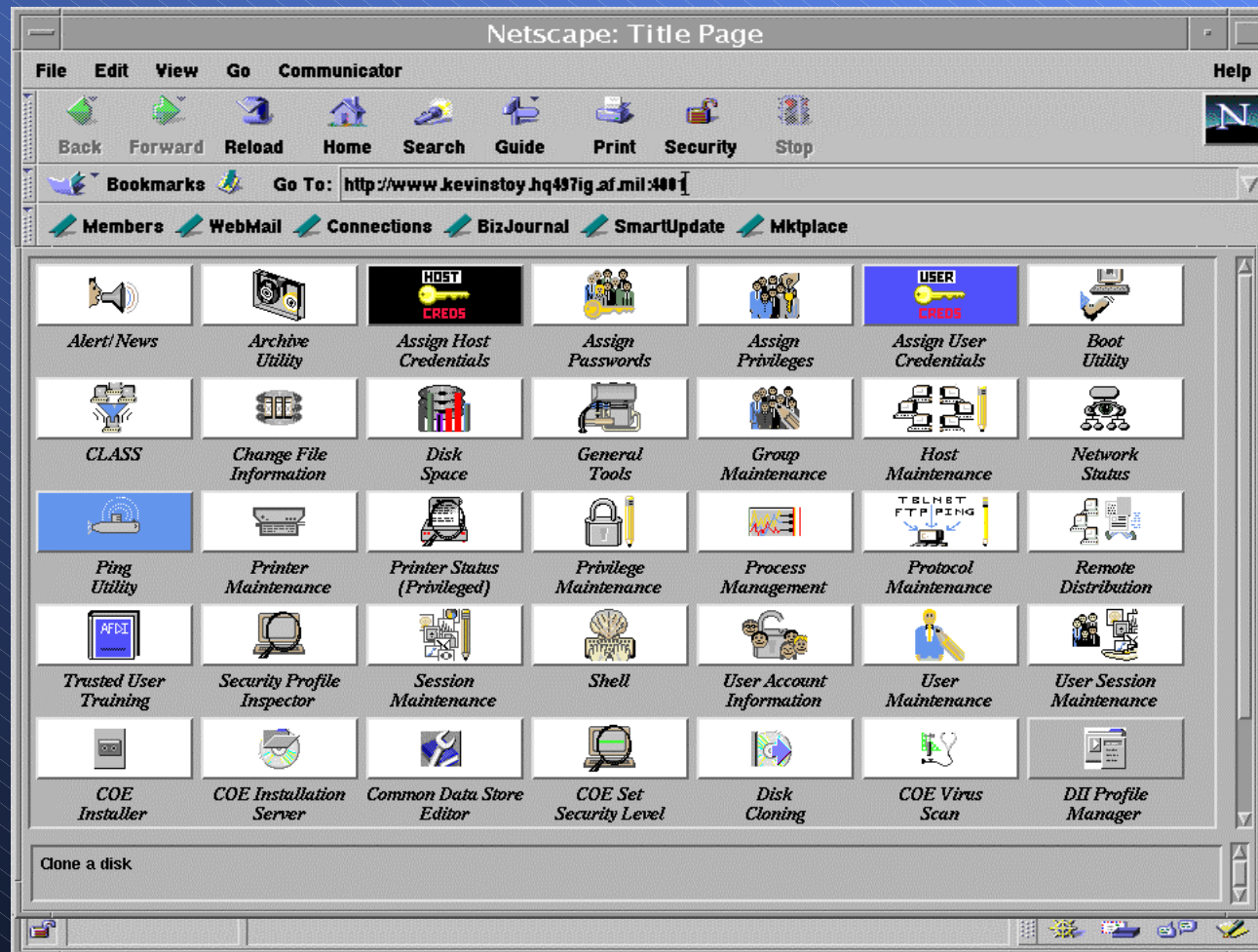


UNCLAS

# Phase II (continued)



...and a Web interface for infrastructure services



UNCLAS



UNCLAS



# *Phase II Issues*

- Funding
  - Enterprise COTS Licensing/Training
  - COTS Integration Costs
- Segmented COTS Versions
  - NSA, CIA, DIA, Joint Staff using non-segmented Tivoli Framework V3.6 or V3.6.1
  - Segmented Version is Tivoli Framework V3.2
    - Coded events are NOT backward compatible
    - Who Segments?
  - Netscape Suitespot Server for PKI
    - Security?
    - What are commands using for Web Servers now? Apache?

UNCLAS



UNCLAS



# *Summary*

- Successful Pre-Alpha Demo
- AFDI V1.0 available Mid-March 2000
- AFDI V2.0 available Jan 2001
- Following DoDIIS Test Process
- Free to Air Force Sites
- Non-AF Sites: Contact your DMB rep!

UNCLAS